



January 16, 2026

Technical Service Bulletin – 49

Mustang Dark Horse R New MoTeC and ABS Configuration Files

For the 2026 racing season, the parameters recorded by the MoTeC dash have been updated along with tire circumference reporting. Tire circumference values only need to be changed in the Bosch M5 ABS module and no longer exist in the ‘Constants’ section of the C187 Dash Manager.

Attention: After performing this TSB, the PCM will receive tire circumference values from the ABS module. Thus, it is mandatory that each team use the new provided files as a basis for the C187 configuration. Modifying the graphical display and configuring for the addition of approved hardware is permitted.

Action: Follow the procedure below to update the MoTeC C187 and Bosch M5 ABS modules

Begin by downloading the latest C187 and ABS files from the competitor site:

<https://performance.ford.com/motorsport/mustang-challenge/competitor-info>

- ABS File – RaceAbs.Export_FordDHR_v02_b_BL08.03_WhlCircOnCAN
- Motec Files – Download the production Dash Manager configuration file (file type “.c187v65”) and choose a Display Creator file (file type “.dcproj”). The Display Creator files are identical aside from the units displayed on the dash. Units displayed by each file are shown in Table 1.

| | Dash Manager Configuration | Display Creator File | Units |
|---------------------------------------|------------------------------------|---|--------------|
| <i>Standard files (Option #1)</i> | <i>DHR_MGMD5_014_NG_Production</i> | <i>DHR_MGMD5_014_NG_Production_Standard</i> | °F, psi |



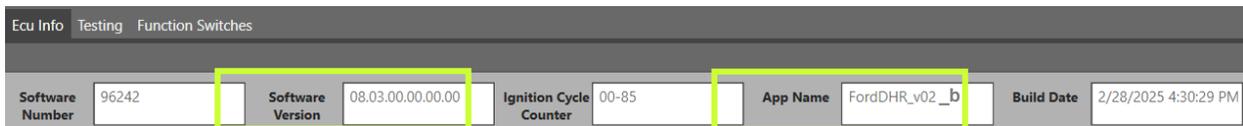
| | | | |
|-----------------------------|--|------------------------------------|---------|
| Metric files (Option #2) | | DHR_MGMD5_014_NG_Production_Metric | °C, bar |
| Mixed files (Option #3) | | DHR_MGMD5_014_NG_Production_Mixed | °C, psi |

Table 1: Display file pairings and their units

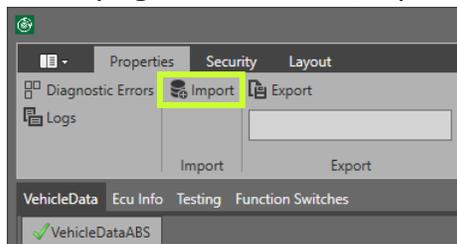
- There is now only one Dash Manager configuration file for **ALL** Display Creator files.

Action: Verify you have the most up-to-date ABS Calibration and M5 ABS Software for the 2026 Season

- Open RaceABS and connect to your vehicle, navigate to the 'ECU Info' page, and verify:
 - FordDHR_v02_b is stated in the 'App Name' box
 - 08.03.00.00.00.00 is stated in the 'Software Version' box



- If FordDHR_v02_b is not stated in the 'App Name' box, navigate to the 'Vehicle Data' page, and select [import] in the top left of the page.



- Navigate to and select this file:



RaceAbs.Export_Ford
DHR_v02_b_BL08.03_V



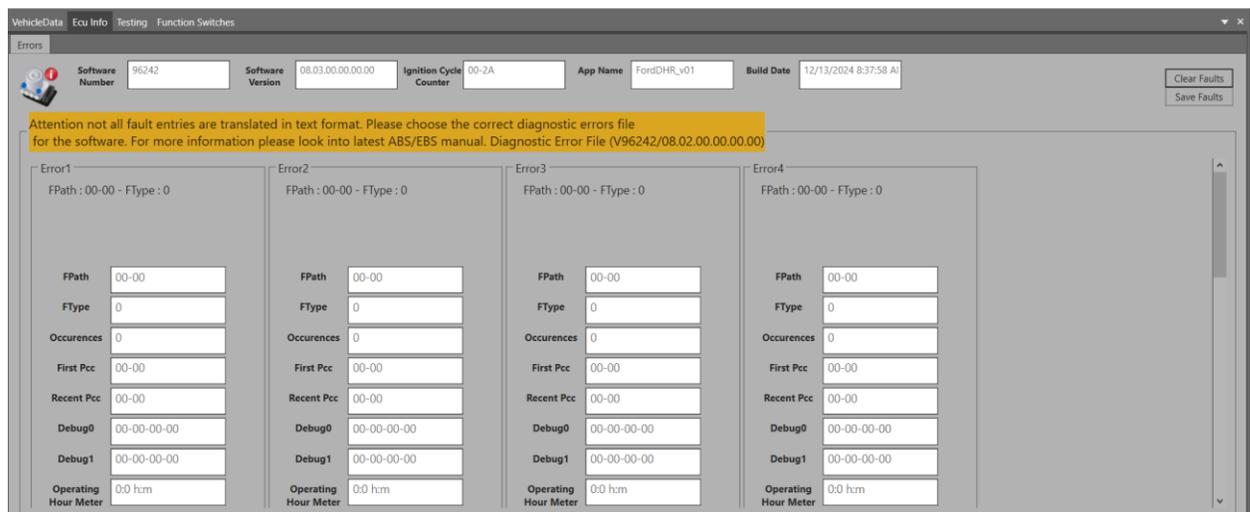
- This will update your Bosch M5 ABS Module to the *FordDHR_v02_b* calibration.

Attention: If 08.03.00.00.00.00 is not stated in the 'Software Version' box, please contact Ford Racing to arrange an appropriate time to update your M5 ABS module to the latest software.

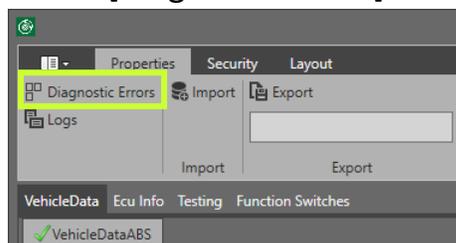
Attention: *FordDHR_v02* will **NOT** send tire circumference values to the PCM and must be updated to *FordDHR_v02_b* via the *ABS File – RaceAbs.Export_FordDHR_v02_b_BL08.03_WhlCircOnCAN*

Action: Verify you have properly linked the DTC Code definitions to your RaceABS Software

- Not having the proper DTC Code Definition .XML text file linked to your RaceABS will cause DTC's to be incorrectly defined.
- Open RaceABS and connect to your vehicle, navigate to 'ECU INFO'
 - If you see this orange error state below, you have the incorrect DTC code Definition .XML linked:



- Select [Diagnostic Errors]



- Navigate to and select this file:

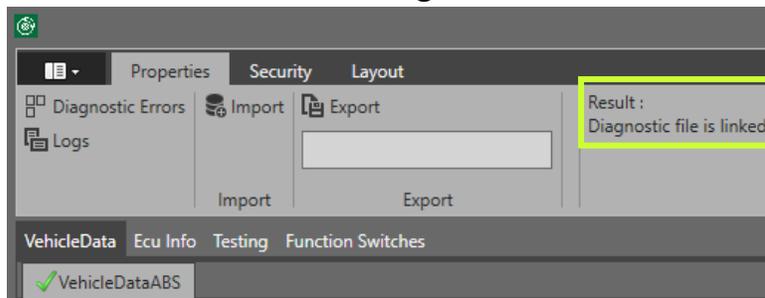


- Path: "C:\Program Files (x86)\Bosch Motorsport\RaceAbs\DiagFiles\UDS\08.03.00.00\TKWINX_FAILUREMEMO RYDESCRIPTION_BB96242.XML"



TKWINX_FAILUREMEMO RYDESCRIPTION_BB96242.XML

- You should see “Result: Diagnostic file is linked”



- Your RaceABS is now linked to the proper DTC Code definitions file and the orange error will disappear. It’s recommended to do a key cycle after this step
- You may also open the .XML text file to read the details and descriptions of ABS DTC Codes when trying to diagnose errors

Action: Update the MoTeC C187 dash to the latest firmware and configuration file

- Your Motec dash is accessible through the Motec C187 Dash Manager application. **Make sure to download the latest version.** The application can be found at <https://www.motec.com.au/products/C187>.
- Installation support for the C187 dash manager software is available through the Motec website.
- With this software you can change screen settings, logging settings, and shift light configurations, as well as retrieve logged data from the device.
- To update the device to the latest firmware, follow these steps:
 1. Open the C187 Dash Manager
 2. Confirm you are using the latest version of the Dash Manager software (version 6.51.12.0 or newer) called out in the bottom, right-hand corner of the application window.



3. Once you have confirmed you're using the latest version, select "Online -> Update Device Firmware" as shown in Figure 1.

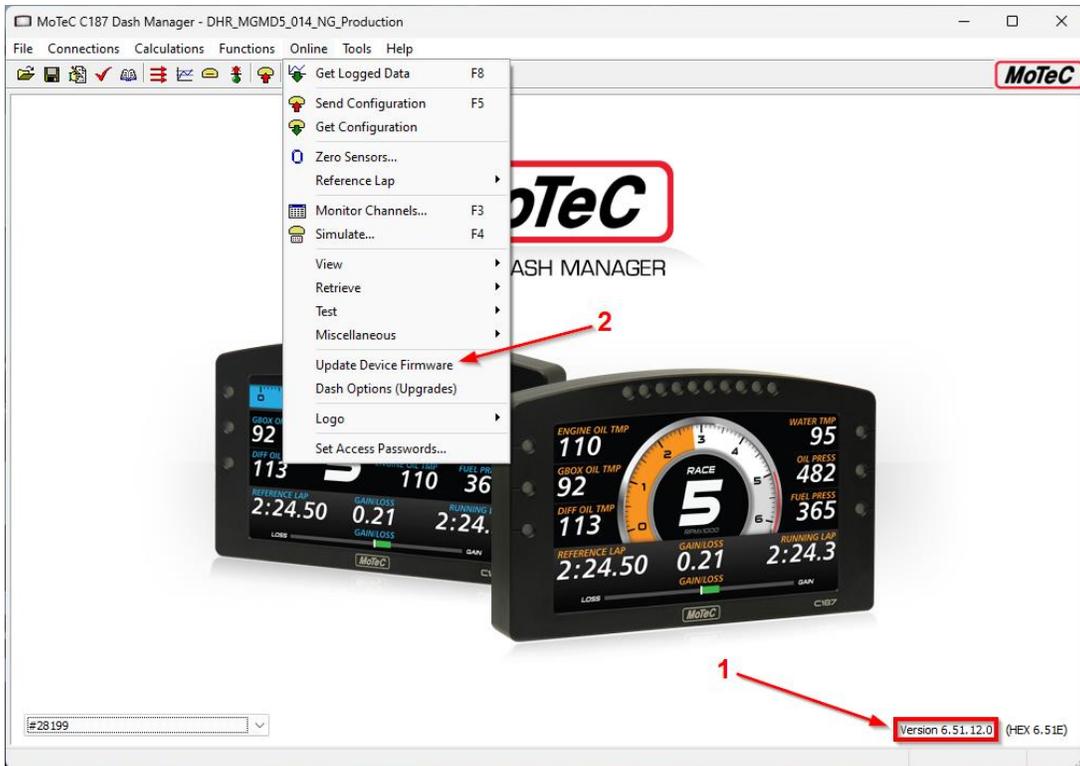


Figure 1: Motec Dash Manager – updating device firmware.

4. Next, open the dash configuration file you downloaded from the competitor site labeled "DHR_MGMD5_014_NG_Production" by selecting the folder icon shown in Figure 2 in the top left corner.
 - a. If the configuration file doesn't appear in the pop-up window, then you will need to select "Settings" and navigate to where the file was downloaded onto your machine.

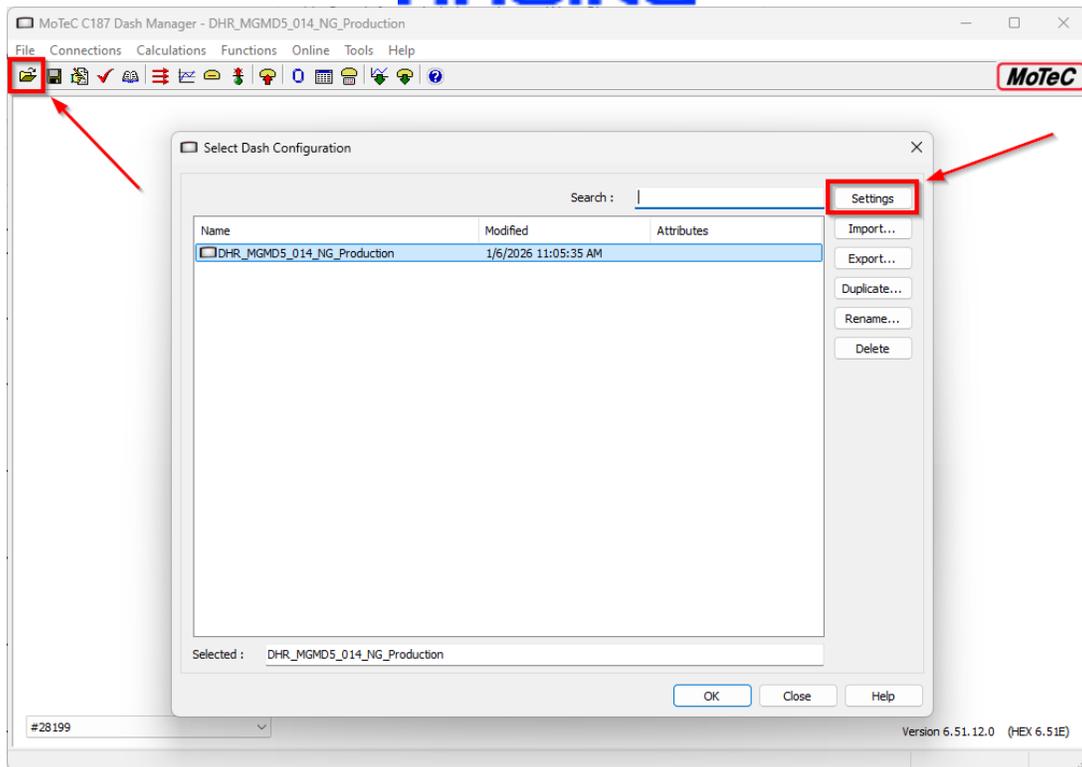


Figure 2: Motec Dash Manager – loading the configuration.

5. Connect your computer to the data port (ethernet) located in the glove box area.
6. Select “Send Configuration” as shown in Figure 3.



Figure 3: Motec Dash Manager – send configuration.

Action: Update the C187 with the desired Display Creator file

- Download the latest Display Creator application from <https://www.motec.com.au/products/C187>.
 1. Open the Display Creator application
 2. Confirm you are using the latest version (version 6.5.1.205 or newer). It is displayed on the top banner of the application window shown in Figure 5.

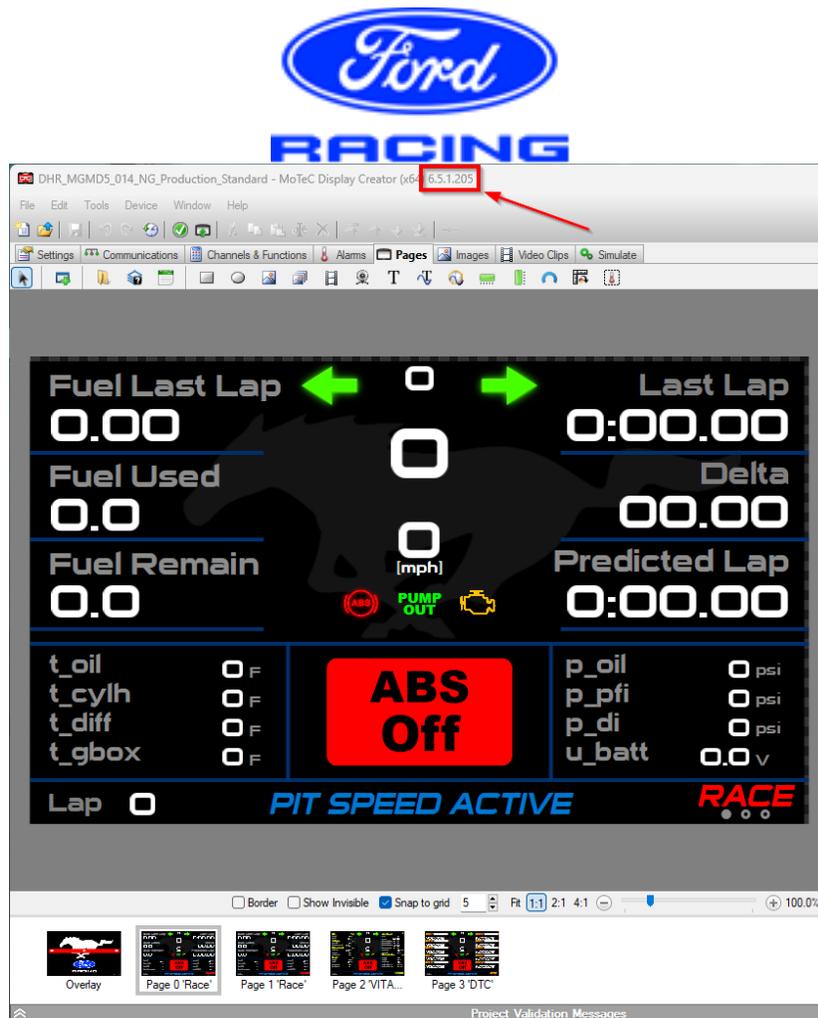


Figure 5: Motec Display Creator – application version.

3. After confirming the application is up to date, select “File -> Open” from the top ribbon.
4. Select the desired display file and click “Open”. It should be one of the three options from Table 1 and should appear in the pop-up window displayed in Figure 6.

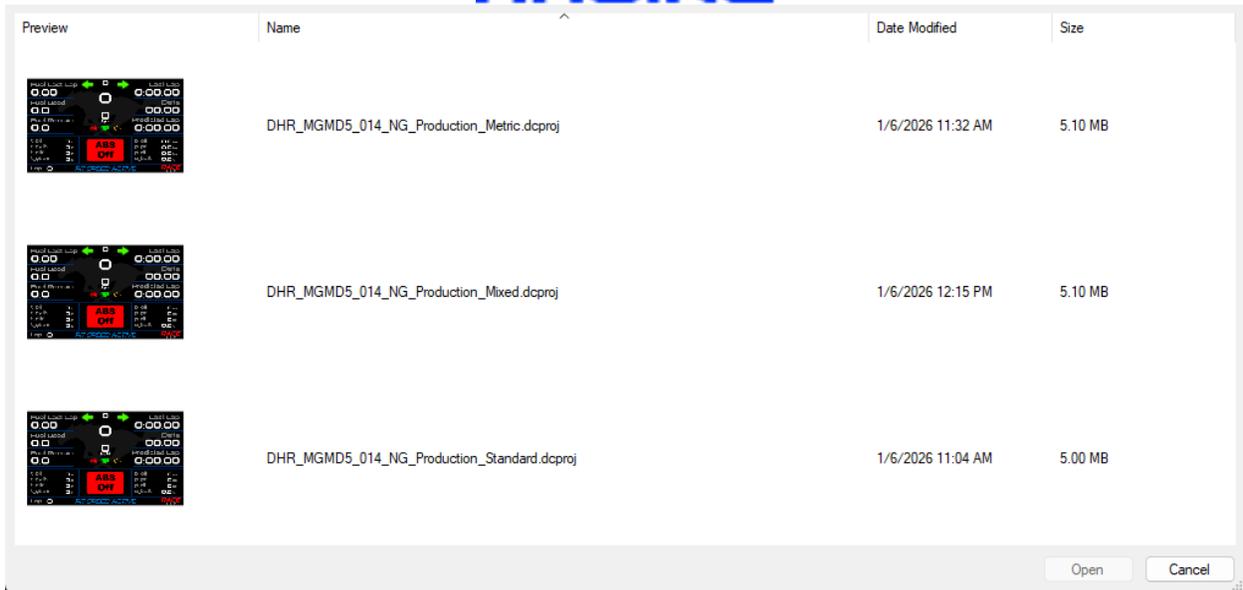


Figure 6: Display Creator – project selection window.

- To flash the display onto the C187, select the “Configure Device” icon shown in Figure 7.

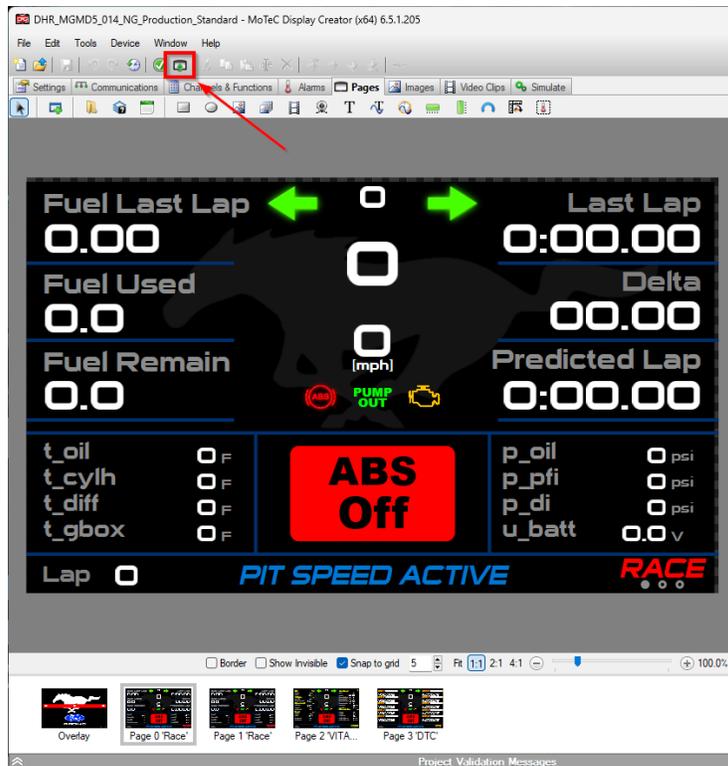


Figure 7: Display Creator – configure device.



6. Confirm that your device is available in the “Selected Device” drop down. If not check your serial cable connection.
7. Press “Check” as shown in Figure 8, this will take a few minutes to complete.

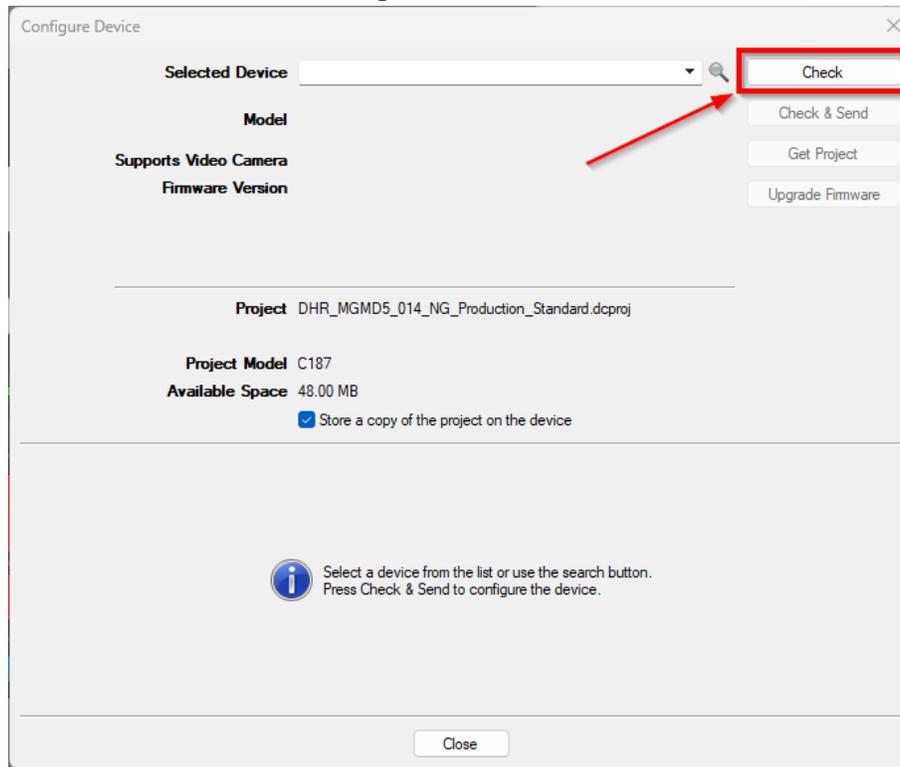


Figure 8: Display Creator – check display.

8. When it is finished you will see the check has succeeded as shown in Figure 9. Finally, click the “Send” button and once the dash comes back online you are ready to go.

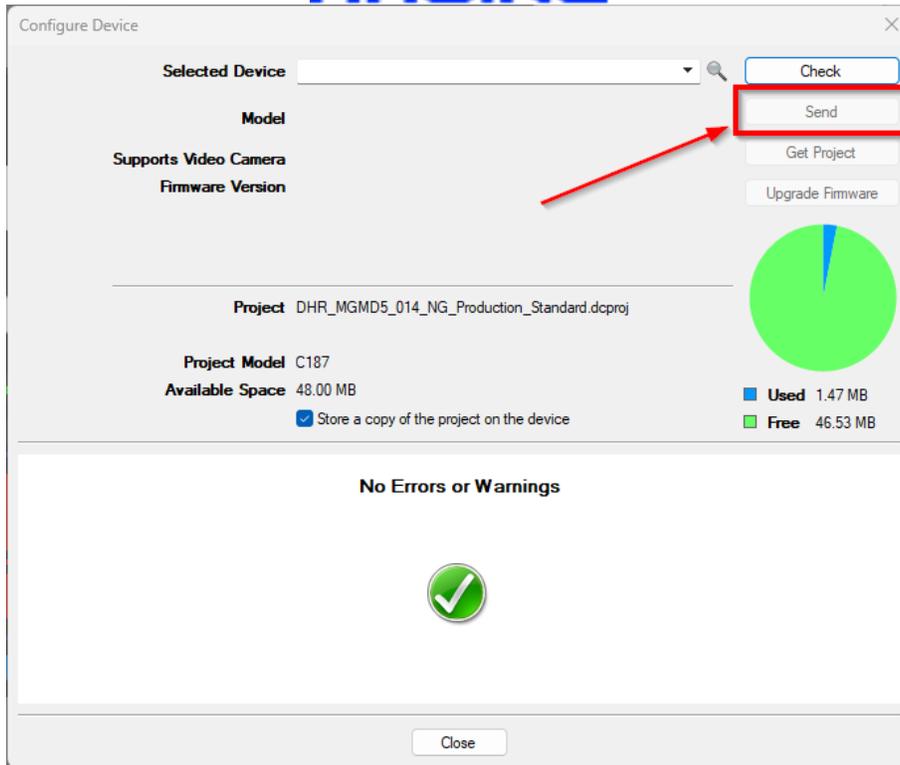


Figure 9: Display Creator – check successful and send to device.

TSB Complete